

Appl. No. 10/034,718
Amdt. dated May 16, 2005
Reply to final Office action of February 23, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1.-3. (Canceled).
4. (Previously presented) A computer system, comprising:
 - a CPU;
 - a battery subsystem;
 - an AC adapter coupled to said CPU and said battery subsystem, said adapter regulating its output voltage for variations in output current until said output current reaches a threshold above which said adapter regulates its output power to an approximately constant level;
 - wherein said adapter includes a transformer and a power control circuit coupled to a voltage feedback circuit, said voltage feedback circuit provides a feedback signal to the transformer to regulate the output voltage from the adapter, and said power control circuit causes said voltage feedback circuit to cause a reduction in the adapter's output voltage when said output current exceeds said threshold;
 - wherein said power control circuit responds to changes in current more slowly than said voltage feedback circuit responds to changes in voltage.
- 5.-6. (Canceled).
7. (Previously presented) A computer system, comprising:
 - a CPU;
 - a battery subsystem;
 - a means for regulating an AC adapter's output voltage; and

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a means for regulating an AC adapter's output power when the adapter's output current exceeds a threshold;

wherein said means for regulating an AC adapter's output power responds to changes in output current more slowly than said means for regulating an AC adapter's output voltage responds to changes in voltage.

8.-10. (Canceled).

11. (Previously presented) An AC adapter, comprising:

an output voltage regulator which regulates the output voltage of said adapter to an approximately constant level if the adapter's output current is below a threshold; and

a power regulator coupled to said output voltage regulator, said power regulator regulates the output power of said adapter when said output current exceeds said threshold;

wherein said adapter further includes a transformer and said voltage regulator provides a feedback signal to the transformer to cause the output voltage from the adapter to be a certain voltage, and said power control circuit causes said voltage feedback circuit to cause a reduction in the adapter's output voltage when said output current exceeds said threshold;

wherein said power regulator responds to changes in current more slowly than said voltage regulator responds to changes in voltage.

12.-13. (Canceled).

14. (Previously presented) An AC adapter, comprising:

a means for regulating an AC adapter's output voltage; and

a means for regulating an AC adapter's output power when the adapter's output current exceeds a threshold;

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wherein said means for regulating an AC adapter's output power responds to changes in output current more slowly than said means for regulating an AC adapter's output voltage responds to changes in voltage.

15.-26. (Canceled).